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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/519,119	12/23/2004	Daniele Fregonese	102792-386(11050P4)	4877
27389 7590 02/05/2009 NORRIS, MCLAUGHLIN & MARCUS 875 THIRD AVE 18TH FLOOR NEW YORK, NY 10022			EXAMINER KHAN, AMINA S	
			ART UNIT 1796	PAPER NUMBER
			MAIL DATE 02/05/2009	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/519,119	Applicant(s) FREGONESE ET AL.	
	Examiner AMINA KHAN	Art Unit 1796	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 September 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☒ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on September 16, 2008 has been entered.

2. Claims 1-27 are pending. Claims 1 and 2 have been amended.

3. All prior rejections are withdrawn in view of applicant's amendments to the claims.

Oath/Declaration

4. The OATH is objected to because it has not been signed by the inventors. A new OATH is required.

Specification

5. The abstract of the disclosure does not commence on a separate sheet in accordance with 37 CFR 1.52(b)(4). A new abstract of the disclosure is required and must be presented on a separate sheet, apart from any other text.

Claim Objections

6. Claim 11 is objected to because of the following informalities: it does not end in a period. Appropriate correction is required.

Claim Rejections - 35 USC § 112

7. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

8. Claims 1-27 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The “the least 70%” claim language of claim 1 renders the claim indefinite. It is not clear whether applicant wishes to claim at least 70% or if 70% is the lower boundary.

Claims 2-27 are also rejected for being dependent upon claim 1 and inheriting the same deficiency.

Claim Rejections - 35 USC § 103

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9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

11. Claims 1-16, 19-23 and 25-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lykke et al. (US 6,242,405).

Lykke et al. teach detergent compositions for laundering (column 20, lines 1-5) comprising enzyme encapsulated particles where the core encapsulation polymer may be water-soluble (column 7, lines 65-67) wherein the enzyme is non-released during storage and only released during release into wash water (column 5, lines 55-60). Lykke et al. further teach the detergents comprise lipase, amylase, cellulase or lipase (column 6, lines 25-35) and that one or more enzymes may be encapsulated together or separately (column 16, lines 20-30). Lykke et al. further teach gel compositions (column 16, lines 45-50) and compositions comprising water soluble calcium salts in concentrations of 1-40% (column 19, lines 1-15; column 20, lines 40-45), hydroxycarboxylate builders specifically citrates (column 23, lines 40-45), polyacrylates

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(column 24, lines 5-15), which meets the limitation of density aid, 00.00001% to 2% protease and amylase (column 24, lines 45-50, column 25, lines 35-50), coloring agents (column 28, lines 10-15), up to 70% water 0-30% organic solvent (column 16, lines 40-45) and starch (column 28, lines 25-30). Lykke et al. further teach particles of sizes smaller than 30 μ m which can swell up to 2 times the size (60 μ m) (column 7, lines 5-45).

Lykke et al. do not teach the migration speed of the particles, viscosity or density of the composition, salt content of at least 80% of the non-aqueous component, ratio of enzyme present in gel and the enzyme present in particles, the percentage of starch and the difference in density of the gel and the particles.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to optimize the concentrations of the components of Lykke et al. to arrive at the instantly claimed percentages, ratios and properties such as migration speed, viscosity, density because all of these parameters would be result effective variables influencing the cleaning properties of the laundering compositions. Optimization of result effective variables only requires routine skill in the art. One of ordinary skill in the art would have been motivated to optimize these parameters to arrive at the optimal cleaning properties through controlled enzymatic release in the wash cycle to prevent enzyme degradation during storage as taught by Lykke.

12. Claims 17,18 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lykke et al. (US 6,242,405) in view of Gutierrez et al. (US 5,739,093).

Lykke et al. are relied upon as described in paragraph 11.

Lykke et al. do not teach the addition of dyes or pigments and propylene glycol.

Gutierrez et al. teach detergents for laundering comprising propylene glycol as a conventional solvent combined with water and dyes as conventional coloring agents used in detergents (column 8, lines 1-5; column 45, lines 45-60).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the compositions of Lykke et al. by incorporating the propylene glycols and dyes taught by Gutierrez et al. because Gutierrez et al. teach the utility and conventionality of these ingredients in laundering compositions and Lykke et al. invite the inclusion of coloring agents and organic solvents.

Conclusion

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AMINA KHAN whose telephone number is (571)272-5573. The examiner can normally be reached on Monday through Friday, 8:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (571) 272-1119. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Lorna M Douyon/
Primary Examiner, Art Unit 1796

/Amina Khan/
Examiner, Art Unit 1796
February 2, 2009